

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/01/2018

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
CAPITL	23.35	23.46	22.21	21.34	20.71	20.90	21.20	20.95	22.41	24.52	27.48	29.78	31.52	32.13	33.78	35.19	36.54	37.98	35.84	35.58	35.10	31.42	28.76	25.46
61757	1.45	1.41	1.33	1.29	1.27	1.33	1.34	1.47	1.51	1.73	1.85	2.03	2.06	1.99	1.97	2.02	2.07	2.32	2.31	2.36	2.39	2.16	2.13	1.84
	-1.20	-2.54	-2.20	-1.88	-1.25	-1.16	-1.74	-0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.92
CENTRL	21.12	20.08	19.12	18.59	18.54	18.79	18.56	19.45	21.22	23.18	26.15	28.31	30.08	31.04	33.20	34.59	35.93	36.96	34.36	34.08	33.52	30.53	28.06	23.55
61754	0.29	0.29	0.21	0.22	0.22	0.26	0.25	0.30	0.31	0.39	0.51	0.55	0.62	0.69	0.89	0.90	1.00	1.00	0.84	0.86	0.78	0.70	0.64	0.41
	-0.13	-0.27	-0.24	-0.20	-0.13	-0.12	-0.19	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	-0.21	-0.50	-0.53	-0.46	-0.30	0.00	-0.02	-0.58	-0.79	-0.45
DUNWOD	23.80	23.31	22.10	21.24	20.76	20.99	21.03	21.20	23.08	25.28	28.33	30.67	32.55	33.30	35.09	36.58	37.92	39.23	36.95	36.57	36.05	32.29	29.35	25.78
61760	2.26	2.01	1.87	1.74	1.69	1.77	1.69	1.83	2.17	2.48	2.69	2.91	3.09	3.16	3.28	3.42	3.45	3.57	3.42	3.35	3.34	3.04	2.72	2.43
	-0.84	-1.78	-1.55	-1.32	-0.88	-0.82	-1.22	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.65
GENESE	20.70	19.63	18.64	18.13	18.14	18.40	18.18	19.10	20.76	22.77	25.77	27.87	29.64	30.50	32.35	33.66	35.13	36.23	33.93	33.62	33.07	29.63	27.03	22.91
61753	-0.10	-0.10	-0.22	-0.20	-0.15	-0.11	-0.09	-0.04	-0.15	-0.02	0.13	0.11	0.18	0.36	0.54	0.50	0.65	0.57	0.40	0.40	0.36	0.38	0.40	0.14
	-0.10	-0.21	-0.18	-0.15	-0.10	-0.10	-0.14	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.08
H Q	19.94	18.80	18.05	17.56	17.57	17.76	17.51	18.44	20.05	21.88	24.61	25.60	27.23	28.05	29.37	30.98	33.27	34.45	31.13	30.90	30.41	26.89	23.86	21.07
61844	-0.77	-0.72	-0.64	-0.62	-0.62	-0.64	-0.62	-0.67	-0.77	-0.84	-0.92	-1.03	-1.03	-1.08	-1.14	-1.16	-1.21	-1.21	-1.21	-1.19	-1.18	-1.08	-1.01	-0.86
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.07	0.11	1.13	1.20	1.00	1.29	1.02	0.00	0.00	1.19	1.12	1.12	1.28	1.75	0.77
HUD VL	23.63	23.16	21.95	21.12	20.64	20.88	20.92	21.08	22.93	25.12	28.20	30.51	32.41	33.12	34.93	36.42	37.68	39.01	36.78	36.34	35.85	32.06	29.08	25.59
61758	2.09	1.87	1.74	1.64	1.58	1.66	1.60	1.72	2.03	2.33	2.56	2.75	2.95	2.98	3.12	3.25	3.21	3.35	3.25	3.12	3.14	2.81	2.45	2.25
	-0.83	-1.76	-1.53	-1.31	-0.87	-0.81	-1.21	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.65
LONGIL	27.33	24.49	22.94	22.00	21.51	21.91	24.04	26.00	30.94	35.92	34.39	35.28	36.37	36.95	37.97	39.36	41.93	41.97	38.93	38.25	37.81	36.36	32.87	29.85
61762	3.19	2.91	2.71	2.51	2.44	2.65	2.57	2.79	3.20	3.62	3.79	4.11	4.39	4.52	4.77	4.97	5.07	5.28	5.03	4.92	4.84	4.33	3.94	3.43
	-3.44	-2.06	-1.55	-1.32	-0.89	-0.85	-3.34	-4.10	-6.84	-9.50	-4.96	-3.42	-2.52	-2.29	-1.39	-1.22	-2.38	-1.03	-0.37	-0.12	-0.26	-2.78	-2.30	-3.72
MHK VL	21.44	20.35	19.49	18.93	18.80	19.04	18.81	19.70	21.59	23.61	26.61	28.90	30.55	31.31	33.05	34.49	35.92	37.16	34.97	34.75	34.25	31.31	28.75	24.10
61756	0.60	0.55	0.56	0.54	0.47	0.50	0.49	0.55	0.69	0.82	0.97	1.14	1.09	1.17	1.24	1.33	1.45	1.50	1.44	1.53	1.51	1.29	1.07	0.84
	-0.13	-0.29	-0.25	-0.21	-0.14	-0.13	-0.20	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.77	-1.05	-0.56
MILLWD	23.75	23.27	22.06	21.22	20.71	20.95	20.99	21.15	23.02	25.21	28.28	30.59	32.50	33.21	34.99	36.48	37.85	39.23	36.95	36.57	36.01	32.24	29.29	25.72
61759	2.19	1.95	1.81	1.71	1.64	1.71	1.63	1.78	2.11	2.41	2.64	2.83	3.04	3.08	3.18	3.32	3.38	3.57	3.42	3.35	3.30	2.99	2.66	2.36
	-0.85	-1.80	-1.56	-1.33	-0.89	-0.83	-1.23	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.66
N.Y.C.	25.03	23.65	22.42	21.53	21.01	21.23	21.30	21.51	23.81	26.37	29.09	31.33	33.15	33.93	35.69	37.18	40.04	40.38	38.50	37.14	36.61	32.94	29.80	26.37
61761	2.55	2.34	2.18	2.04	1.95	2.01	1.96	2.14	2.42	2.78	3.05	3.30	3.50	3.62	3.78	3.91	4.00	4.17	3.99	3.92	3.89	3.48	3.17	2.81
	-1.77	-1.79	-1.55	-1.32	-0.88	-0.82	-1.22	-0.26	-0.48	-0.80	-0.41	-0.27	-0.18	-0.17	-0.10	-0.10	-1.57	-0.55	-0.98	-0.01	-0.01	-0.21	0.00	-0.86
NORTH	19.59	18.52	17.90	17.39	17.42	17.60	17.34	18.27	19.90	21.68	24.48	26.45	28.25	28.90	30.50	31.84	33.16	34.34	32.12	31.76	31.05	24.05	20.03	19.17
61755	-1.12	-0.99	-0.78	-0.78	-0.76	-0.81	-0.78	-0.84	-1.00	-1.12	-1.15	-1.30	-1.21	-1.24	-1.31	-1.33	-1.31	-1.32	-1.41	-1.46	-1.50	-1.40	-1.39	-1.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	3.80	5.21	2.28
NPX	23.47	23.33	22.13	21.28	20.71	20.91	21.10	20.98	22.62	24.75	27.71	29.95	31.73	32.40	34.03	35.45	36.75	38.09	35.97	35.67	35.19	31.50	28.81	25.50
61845	1.72	1.58	1.51	1.45	1.42	1.47	1.45	1.55	1.71	1.96	2.08	2.19	2.27	2.26	2.23	2.29	2.27	2.43	2.45	2.46	2.48	2.25	2.18	2.00
	-1.05	-2.23	-1.94	-1.65	-1.10	-1.02	-1.52	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.80

O H 61846	20.53	19.63	18.61	18.13	18.09	18.36	18.08	18.92	20.38	22.38	25.38	27.34	29.11	29.11	29.82	30.88	32.62	34.27	33.16	32.85	32.19	28.99	26.63	22.60
	-0.31	-0.18	-0.32	-0.25	-0.24	-0.18	-0.24	-0.23	-0.52	-0.41	-0.26	-0.42	-0.35	-0.18	0.06	-0.10	0.03	-0.14	-0.37	-0.36	-0.52	-0.26	0.00	-0.20
	-0.13	-0.28	-0.25	-0.21	-0.14	-0.13	-0.19	-0.04	0.00	0.00	0.00	0.00	0.00	0.85	2.05	2.18	1.89	1.25	0.00	0.00	0.00	0.00	0.00	-0.10
PJM 61847	22.36	21.62	20.50	19.81	19.52	19.79	19.68	20.16	21.90	24.01	27.05	29.22	31.03	32.04	34.22	35.62	36.88	37.93	35.27	34.91	34.35	30.79	28.04	24.31
	1.08	1.01	0.88	0.84	0.80	0.88	0.82	0.90	0.96	1.16	1.38	1.44	1.56	1.66	1.84	1.86	1.89	1.92	1.74	1.69	1.63	1.52	1.41	1.20
	-0.57	-1.08	-0.94	-0.80	-0.53	-0.50	-0.74	-0.16	-0.03	-0.06	-0.03	-0.02	-0.01	-0.24	-0.56	-0.60	-0.51	-0.34	0.00	0.00	0.00	-0.01	0.00	-0.41
WEST 61752	20.98	20.04	18.97	18.50	18.47	18.74	18.51	19.38	20.86	22.97	26.12	28.17	30.02	34.09	40.51	42.20	42.61	41.30	34.20	33.85	33.13	29.81	27.35	23.14
	0.15	0.25	0.06	0.13	0.14	0.20	0.20	0.23	-0.04	0.18	0.49	0.42	0.56	0.81	1.14	0.99	1.17	1.03	0.67	0.63	0.42	0.55	0.72	0.34
	-0.13	-0.27	-0.24	-0.20	-0.13	-0.13	-0.19	-0.04	0.00	0.00	0.00	0.00	0.00	-3.14	-7.56	-8.04	-6.96	-4.60	0.00	0.00	0.00	0.00	0.00	-0.10